



TREASURY WINE ESTATES



MEDIA RELEASE

The Yield and Yamaha join forces with Treasury Wine Estates to drive robotics revolution in agriculture

Sydney, 8 June 2021 – The Yield Technology Solutions Pty Ltd (The Yield) today announced a new R&D project with global technology giant, Yamaha Motor Co., Ltd (YMC) partnering with global premium wine company, Treasury Wine Estates (ASX: TWE), to optimise yield prediction in wine grapes and to improve autonomous crop spraying with the use of robots.

The trial will commence in TWE vineyards in Australia later this year and the West Coast of the US from early next year, and will bring together Yamaha's robotics platform with The Yield's microclimate, software, analytics, and AI platform.

Yamaha is a leader in robotics in intensive irrigated crops and already provides commercial services in the US.

The trial aims to improve harvest prediction accuracy by gathering growth stage data through visual data collection. It also aims to test and develop emerging autonomous spray robot technology, and optimise spray effectiveness by integrating weather data and spray guidelines to maximise autonomous spray efficiency.

Jim Aota, CEO and Managing Director of Yamaha Motor Ventures & Laboratory Silicon Valley, Inc. said, "We are excited to be working with a world-leading analytics business like The Yield. We see this symbiotic relationship between analytics and robotics as the future for intensive irrigated crops. It is advantageous for customers and better for the environment."

Ms Harvey said, "We know from customers in Australia that we can double the effective spray windows for robots using our patented microclimate and growth stage predictions. This improves robotic spray efficiency and effectiveness whilst improving environmental performance. At the same time, the robots can passively collect visual data that we can feed back into our algorithms to continually improve them. It's a win win."

"We're seeing an accelerated demand for robotics globally particularly in intensive irrigated crops. This trend is likely to grow," she said.

Greg Pearce, General Manager Company Vineyards of Treasury Wine Estates said, "As custodian of some of the world's most iconic wine brands and with a large global agricultural footprint, TWE is committed to taking an integrated approach to sustainability to manage risks and make the most of new, emerging opportunities".

"TWE is focused on cultivating a brighter future for everyone who touches our business and products, and this includes investing in new technology and innovations to adapt to the climate trends impacting our business.

"TWE is proud of our ongoing partnership with The Yield to improve the predictability of weather and climate, crop yield, harvest timing and fruit grading – all critical drivers of wine quality. This latest industry-leading collaboration brings together our viticulture and winemaking expertise with world class robotics and automation to enable us to better predict optimal harvest opportunities and efficiently irrigate our vineyards," he said.

During the 18-month R&D project, The Yield and Yamaha will negotiate commercial arrangements to bring a joint solution for intensive irrigated crops to international markets in early 2022.

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YAMAHA

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About The Yield Technology Solutions Pty Ltd (The Yield)

The Yield is an Australian agricultural technology company on a mission to transform food and farming practices with scalable digital technology. The Yield uses Internet of Things (IoT), data science and artificial intelligence (AI) to power its technology to solve real challenges at farm level and throughout the food chain.

Its Sensing+ microclimate solution combines sensors and analytics to provide information and predictions that help growers make important on-farm decisions like when to irrigate, feed, plant, protect and harvest. The Yield works with some of Australia's largest food corporations in intensive irrigated crops. www.theyield.com

About Treasury Wine Estates (TWE)

Treasury Wine Estates (TWE) is one of the world's leading wine companies, listed on the Australian Securities Exchange.

With a portfolio of outstanding wine brands, prized viticultural assets and world-class production facilities, the Company's commitment to delivering shareholder value is underpinned by its passion for crafting, marketing and selling quality wine for consumers. It achieves this through building sustainable partnerships with customers and other industry partners, globally.

The business is led by a cultural code, which is set out in three DNA pillars – we bring our whole self, we are courageous and we deliver together. TWE's DNA is at the heart of every decision the Company makes and forms the foundation of the Company's value proposition: Thinkers. Makers. Doers.

TWE employs approximately 3,000 talented people across four key regions, with wine sold in more than 70 countries around the world.